**General Information about Red hat course:**

Are you a system administrator or student of computer science? Do you like working with open-source Linux operating systems? If so, you may want to become a Red Hat Certified Engineer.

**Red Hat Certified Engineer Defined**

If you're an information technology (IT) professional who works as a systems administrator in [Linux](http://DegreeDirectory.org/articles/Where_Can_I_Find_Linux_Training_Online.html), UNIX, Windows or Solaris systems, you can pursue training and certification from Red Hat, Inc. in their Red Hat Enterprise Linux (RHEL) system (*www.redhat.com*). Red Hat, Inc. is a publicly traded company that is a major source of Linux distribution and training. A Red Hat Certified Engineer (RHCE) is a professional who has demonstrated his or her professional competence in using the Red Hat Enterprise Linux (RHEL) systems by passing a certification exam administered by Red Hat, Inc.

**Linux Operating System**

Linux is a UNIX-like operating system for computers. This open-source software was created and distributed to the public under a GNU General Public License, so the anyone can access its source code for free. Anyone may improve the system or create applications for it. Red Hat Enterprise Linux is a modular systems management program for Linux that was developed by Red Hat.

**General Information about lab view course:**

This course covers construction of measurement- and control systems for experimental research or industrial processes with Lab VIEW. Lab VIEW has become a fast and complete programming language during the recent years and has powerful libraries for calculations and handling of instrumental communication.

Good tools and methods are needed to manage the increased speed and complexity of the computer-networked systems of today. The course is aimed to give the participant an insight into how Lab VIEW can be used for effective communication with measurement equipment of different kind. Practical programming tasks will be tied to existing, scientific equipment. Participants with their own equipment will be given the possibility to develop their own program library for communication with and control of it.

After completing the course, the participant should be able to

* Develop their own routines for communication by using existing libraries
* Investigate the functionality of existing routines for instrumentation communication
* Debug communication routines by tracking and bugging
* Improve communication routines towards increased stability, speed, and compatibility
* Program by means of *objects*, *events*, *state machines*, and *threads*
* Use the Lab VIEW help system to access documentation and examples
* Use Lab VIEW for generic programming